

FOUNDATION MIX



- Your in-furrow nutrient application solution.
- Applied directly over seed in furrow before covering.

Foundation Mix contains:

Nitrogen	(N)	3,7 g/kg	(4,7 g/l)
Phosphorus	(P)	33,2 g/kg	(41,8 g/l)
Copper	(Cu)	9,5 g/kg	(11,9 g/l)
Manganese	(Mn)	19 g/kg	(24 g/l)
Molybdenum	(Mo)	4,1 g/kg	(5,2 g/l)
Zinc	(Zn)	105,2 g/kg	(132,5 g/l)

**Seaweed extract (*Ecklonia maxima*)

Benefits of in furrow applications:

A well-balanced starter fertilizer, combined with complementary in-furrow products such as seaweed extract, supply and sustain the seed with nutrients in its most vulnerable emergence stage.

Leading to the promotion of healthy root and shoot development by supplying required nutrients within reach of the seedling's root system.

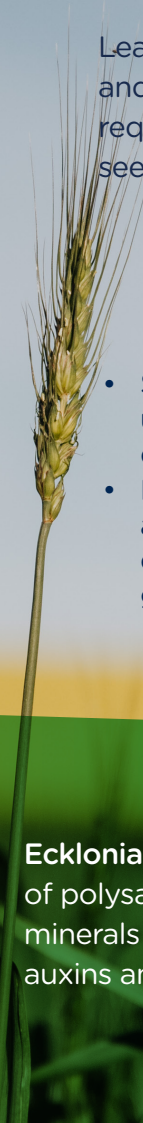
Advantages:

- Placement of necessary nutrients where they are needed, less wastage.
- Nutrients like phosphorous can be bound up in mineral structures leading to low availability if not placed conveniently for plant assimilation.
- Less energy wasted, seedlings are able to establish more quickly and grow more vigorously.
- Sets the plant up to optimize nutrient uptake in subsequent applications as root development is promoted.
- Rapid establishment of stronger seedlings and available nutrients helps mitigate emergence stress experienced by germinating seeds.

Benefits of *Ecklonia maxima*:

Ecklonia maxima is a plant bio-stimulant applied to enhance nutrition efficiency, mitigate abiotic/ biotic stress tolerance and/or promote crop traits.

Ecklonia maxima consists of a complex mixture of polysaccharides, betaines, sterols, alginates, minerals and plant growth hormones such as auxins and cytokines (in low quantities).



Benefits of in furrow applications:

- It is natural chelator that enhances uptake of nutrients.
- Increases plant vigour and emergence.
- Improves uniform plant establishment with increased lateral root development.
- Can lead to increased root number and mass through auxin like actions.
- Aids root tip development and growth for better plant nutrient and water uptake.
- It improves vegetative growth and enhances chlorophyll content and photosynthesis.
- Aids in the mitigation of Biotic and abiotic stress during seedling establishment.
- Possibly stimulates beneficial soil microbes.

When planting seed in the ground, it is imperative to make sure they have the best possible advantage for growth from the very beginning. Setting the germinating seeds up for success is of the highest priority.

Rolfe Agri is there to provide an opportune chance to get them off to a strong and rapid start with our **Foundation Mix**.

Recommendations:

CROP	DOSAGE RATE (ℓ / ha)	REMARKS
Dry Beans	1 ℓ	Mix FOUNDATION MIX with 50 – 120 ℓ water per hectare. Apply directly over seed in planting furrow before seed is covered with soil.
Grain Sorghum	1 ℓ	Mix FOUNDATION MIX with 50 – 120 ℓ water per hectare. Apply directly over seed in planting furrow before seed is covered with soil.
Groundnuts	1 ℓ	Mix FOUNDATION MIX with 50 – 120 ℓ water per hectare. Apply directly over seed in planting furrow before seed is covered with soil.
Maize	1 ℓ	Mix FOUNDATION MIX with 50 – 120 ℓ water per hectare. Apply directly over seed in planting furrow before seed is covered with soil.
Soya Bean	1 ℓ	Mix FOUNDATION MIX with 50 – 120 ℓ water per hectare. Apply directly over seed in planting furrow before seed is covered with soil.
Sugarcane	1 ℓ	Mix FOUNDATION MIX with 50 – 120 ℓ water per hectare. Apply directly over seed in planting furrow before seed is covered with soil.
Sunflower	1 ℓ	Mix FOUNDATION MIX with 50 – 120 ℓ water per hectare. Apply directly over seed in planting furrow before seed is covered with soil.
Wheat	1 ℓ	Mix FOUNDATION MIX with 50 – 120 ℓ water per hectare. Apply directly over seed in planting furrow before seed is covered with soil.